

## EAST Search History

| Ref # | Hits | Search Query  | DBs                                | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------------------------------------|------------------|---------|------------------|
| L1    | 728  | (hcv OR hcv-1a) AND helicase AND (crystal OR crystal\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2008/07/23 09:03 |
| L2    | 58   | I1 and ("space group" OR "unit cell")                   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2008/07/23 09:04 |
| L3    | 6    | I2 AND ("34.8" OR "67.1" OR "58.4")                     | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2008/07/23 09:04 |
| S1    | 45   | (hcv adj ns3 adj helicase)                              | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2007/09/26 15:07 |
| S2    | 9    | S1 and "324"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2007/01/03 10:21 |
| S3    | 232  | helicase same atpase same domain                        | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2007/01/03 10:24 |
| S4    | 134  | S3 and minimal  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2007/01/03 10:24 |
| S5    | 124  | S4 and (inhibitor OR inhibition)                        | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2007/01/03 10:24 |
| S6    | 17   | S5 and ns3  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2007/01/03 10:30 |
| S7    | 146  | "non-structural protein 3" OR "nonstructural protein 3" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2007/01/03 10:31 |
| S8    | 144  | S7 and (hcv or "hepatitis c virus")                     | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2007/01/03 10:31 |
| S9    | 42   | S8 and "324"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2007/01/03 10:31 |
| S10   | 2    | "6183121".pn.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | OFF     | 2007/01/05 10:45 |

## EAST Search History

|     |        |  |   |    |     |                  |
|-----|--------|--|---|----|-----|------------------|
| S11 | 2      | "6930095".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/09/26 15:18 |
| S12 | 2      | "7094411".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/09/26 15:20 |
| S13 | 2      | "7084266".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/09/26 15:20 |
| S14 | 145585 | weber.in. OR reichert.in. OR madison.in.<br>OR wyss.in. OR yao.in. OR liu.in. OR<br>gesell.in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/31 06:50 |
| S15 | 485    | S14 and (hcv or "hepatitis c virus")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/31 06:51 |
| S16 | 38     | S15 and helicase   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/31 06:51 |
| S17 | 34     | S16 and (crystal\$ OR "nuclear magnetic<br>resonance" OR NMR)                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/01/31 06:51 |
| S18 | 249    | ("hcv ns3" OR "HCV-1a NS3") same<br>helicase   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/07/22 15:35 |
| S19 | 785    | (hcv or HCV-1a) and (NS3 same helicase)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/07/22 15:36 |
| S20 | 785    | S18 or S19   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/07/22 15:44 |
| S21 | 428    | S20 and ("249" OR "257" OR "431" OR<br>"451" OR "328" OR "482")                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/07/22 15:45 |
| S22 | 108    | NS3 same helicase same (fragment OR<br>fragments)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/07/22 15:46 |
| S23 | 102    | S22 AND (S18 or S19)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/07/22 15:47 |

## EAST Search History

|     |        |  |                                    |    |     |                  |
|-----|--------|--|------------------------------------|----|-----|------------------|
| S24 | 174439 | weber.in. OR reichert.in. OR madison.in. OR wyss.in. OR yao.in. OR liu.in. OR gesell.in.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/22 16:19 |
| S25 | 14897  | schering.as.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/22 16:19 |
| S26 | 188896 | S24 or S25   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/22 16:19 |
| S27 | 44     | S26 AND (ns3 same helicase)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/22 16:19 |
| S28 | 20     | S27 AND (fragment OR fragments)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/22 16:20 |
| S29 | 785    | (hcv or HCV-1a) and (NS3 same helicase)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/23 06:13 |
| S30 | 785    | S29  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/23 06:13 |
| S31 | 22     | S30 and ("domain i" OR "domain II" OR "domain III")  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/23 06:14 |
| S32 | 40     | (hcv OR hcv-1a) AND helicase AND ("domain i" OR "domain ii" OR "domain III") AND ("181" OR "182" OR "327" OR "328" OR "482" OR "483" OR "572") | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/23 06:31 |
| S33 | 33     | S32 AND (delete OR deletion OR deleted OR deleting OR delet\$)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/23 06:31 |
| S34 | 2      | (hcv OR hcv-1a) AND helicase AND domain AND ("182-327" OR "181-327" OR "483-572" OR "182 to 327" OR "181 to 327" OR "483 to 572")              | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/23 06:36 |
| S35 | 19     | S30 and ("domain 1" OR "domain 2" OR "domain 3")   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/23 06:47 |
| S36 | 17     | S35 not S31  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2008/07/23 06:47 |

## EAST Search History

|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S37 | 35 | (hcv OR hcv-1a) AND helicase AND ("domain 1" OR "domain 2" OR "domain 3") AND ("181" OR "182" OR "327" OR "328" OR "482" OR "483" OR "572") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/07/23 06:57 |
| S38 | 19 | S37 not (S35 OR S31 OR S32)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/07/23 06:57 |
| S39 | 19 | S38 AND (delete OR deletion OR deleted OR deleting OR delet\$)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/07/23 06:58 |